01 Identification Of The Substance Or Mixture And Of The Supplier	
1.1. Product Identifier	FireBlock Adhesive MS978
UFI identifier	MYP2-A0QR-F00C-0T46
Other Means Of Identification	Fire Rate MS Polymer Sealant- Mixture
1.2. Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against	
Relevant Identified Uses	Use of the substance/mixture: Industrial Use
Uses Advised Against	Restrictions on use: No information available
1.3. Supplier's Details	Name: Bridgehill AS
	Address: Elveveien 34, 3262 Larvik, Norway
	Email: post@bridgehill.com
	Website: bridgehill.com
1.4. Emergency Phone Number	+47 33 50 98 70

02 Hazard Identification	
2.1. Classification Of The Substance Or Mixture	According to Regulation (EC) No. 1272/2008 [CLP]: • Skin corrosion/irritation, Category 2, H315 • Serious eye damage/eye irritation, Category 1, H318 Full text of H- and EUH-statements: see section 16
Adverse Physicochemical, Human Health And Environmental Effects	Causes skin irritation. Causes serious eye damage.
2.2. Labelling Elements: According To Regulation (EC) No. 1272/2008 [CLP]	Hazard pictograms (CLP)- GHS05 
Signal Word (CLP)	Danger
Hazard Statements (CLP)	• H315 - Causes skin irritation • H318 - Causes serious eye damage
Precautionary Statements (CLP)	• P264 - Wash hands, forearms and face thoroughly after handling. • P280 - Wear protective gloves/protective clothing/eye protection/face • protection/hearing protection. • P302+P352 - IF ON SKIN: Wash with plenty of water. • P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several • minutes. Remove contact lenses, if present and easy to do. Continue rinsing. • Immediately call a POISON CENTER or doctor. • P332+P313 - If skin irritation occurs: Get medical advice/attention. • P362+P364 - Take off contaminated clothing and wash it before reuse.
EUH-Statements	Not applicable.
2.3. Other Hazards	
Other Hazards Which Do Not Result In Classification	No information available.

Other Hazards	• This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII • This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII • Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

03 Composition/Information On Ingredients

3.1. Substances	Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbonic acid, calcium salt (1:1)	CAS-No.: 471-34-1 EC-No.: 207-439-9	30 – 60	Not classified
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[3(dimethoxymethylsilyl)propyl]-.omega.-[3(dimethoxymethylsilyl)propoxy]-	CAS-No.: 75009-88-0	10 – 30	Not classified
Diisononyl 1,2-cyclohexanedicarboxylate	CAS-No.: 166412-78-8 EC-No.: 431-890-2;605-439-7	10 – 20	Not classified
1-Propanamine, 3-(trimethoxysilyl)-	CAS-No.: 13822-56-5 EC-No.: 237-511-5	1 – 10	Skin Irrit. 2, H315 Eye Dam. 1, H318

** Full text of H- and EUH-statements: see section 16*

04 First Aid Measures

4.1. Description Of First Aid Measures

First-Aid Measures After Inhalation	Remove person to fresh air and keep comfortable for breathing.
First-Aid Measures After Skin Contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-Aid Measures After Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-Aid Measures After Ingestion	Call a poison center or a doctor if you feel unwell.

4.2. Most Important Symptoms And Effects, Both Acute And Delayed

Symptoms/Effects	Causes skin irritation. Causes serious eye damage.
4.3. Indication Of Any Immediate Medical Attention And Special Treatment Needed	Treat symptomatically.

05 Firefighting Measures	
5.1. Extinguishing Media	
Suitable Extinguishing Media	Carbon dioxide (CO2). Dry chemical. Water spray. Dry powder. Foam.
Unsuitable Extinguishing Media	No information available
5.2. Special Hazards Arising From The Substance Or Mixture	
Fire Hazard	Not flammable
Hazardous Decomposition Products In Case Of Fire	Toxic fumes may be released. Carbon dioxide (CO2). Carbon monoxide. Hydrogen sulfide. Sulfur oxide.
5.3. Advice For Firefighters	
Firefighting Instructions	Avoid all unnecessary exposure. Complete protective clothing. Cool closed containers exposed to fire with water spray. Eliminate all ignition sources if safe to do so.
Protection During Firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

06 Accidental Release Measures	
6.1. Personal Precautions, Protective Equipment And Emergency Procedures	
6.1.1. For Non-Emergency Personnel	Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes.
	Protective equipment: Do not attempt to take action without suitable protective equipment. Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2 For Emergency Responders	Emergency procedures: Ventilate spillage area. Avoid inhalation of the product. No open flames, no sparks, and no smoking.
	Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental Precautions	Avoid release to the environment.
6.3. Methods And Material For Containment And Cleaning Up	
Methods For Cleaning Up	Mechanically recover the product.
Other Information	Dispose of materials or solid residues at an authorized site.
6.4. Reference To Other Sections	For further information refer to section 13.

07 Handling & Storage	
7.1. Precautions For Safe Handling	
Precautions For Safe Handling	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene Measures	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions For Safe Storage, Including Any Incompatibilities	
Storage Conditions	Keep containers tightly closed. Use and store this material in a cool, dry, well-ventilated area away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Store only in approved containers. Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.
Incompatible Materials	Can react with strong oxidising agents. Cures in the presences of water or moisture, releasing a small amount of acetic acid.
Special Rules On Packaging	Empty containers: May contain liquid and vapor residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. “Empty” drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in accordance with governmental regulations. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Consult NFPA and OSHA codes.
7.3. Specific End Use(s)	Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

08 Exposure Controls/Personal Protection	
8.1. Control Parameters	
8.1.1. National Occupational Exposure And Biological Limit Values	
Carbonic acid, calcium salt (1:1) (471-34-1)	
Croatia - Occupational Exposure Limits	
GVI (OEL TWA) [1]	10 mg/m³ (total dust, inhalable particles) 4 mg/m³ (respirable dust)
France - Occupational Exposure Limits	
VME (OEL TWA)	10 mg/m³
Latvia - Occupational Exposure Limits	
OEL TWA	6 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	10 mg/m³ (inhalable fraction)
Carbonic acid, calcium salt (1:1) (471-34-1)	
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA) [1]	3 mg/m³ (respirable dust) 3 mg/m³ (total dust limit values-respirable fractions) 10 mg/m³ (total dust limit values-inhalable fractions)

8.1.2. Recommended Monitoring Procedures	No additional information available
8.1.3. Air Contaminants Formed	No additional information available
8.1.4. DNEL and PNEC	No additional information available
8.1.5. Control Banding	No additional information available
8.2. Exposure Controls	
8.2.1. Appropriate Engineering Controls	Ensure good ventilation of the work station.
8.2.2. Personal Protection Equipment	
Eye And Face Protection	Eye protection: Safety glasses
Skin Protection	Skin and body protection: Wear suitable protective clothing
Hand Protection	Protective gloves
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment
Thermal Hazards	No additional information available
8.2.3. Environmental Exposure Controls	Avoid release to the environment.

09 Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
Physical state	Solid
Colour	Not available
Appearance	Paste
Odour	Silane modified polyether sealant
Odour Threshold	Not available
Melting Point	Not available
Freezing Point	Not available
Boiling Point	Not available
Flammability	Non flammable
Explosive Properties	Not explosive
Oxidising Properties	Non oxidizing
Explosive Limits	Not available
Lower Explosion Limit	Not available
Upper Explosion Limit	Not available
Flash Point	Not available
Auto-Ignition Temperature	Not available
Decomposition Temperature	Not available
pH	Not available
pH solution	Not available
Viscosity, Kinematic	Not available
Solubility	Not available
Partition coefficient n-octanol/water (Log Kow)	Not available

Vapour Pressure	Not available
Vapour Pressure at 50°C	Not available
Density	1.5 g/cm³
Relative Density	Not available
Relative Vapour Density at 20°C	Not available
Particle Size	Not available
9.2. Other Information	
Information With Regard To Physical Hazard Classes	No additional information available
Other Safety Characteristics	No additional information available

10 Stability & Reactivity	
Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Stable under normal conditions.
Possibility Of Hazardous Reactions	No dangerous reactions known under normal conditions of use.
Conditions To Avoid	None under recommended storage and handling conditions (see section 7).
Incompatible Materials	Can react with strong oxidising agents. Cures in the presences of water or moisture, releasing a small amount of acetic acid.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. If this product is heated to > 150 degree C, trace quantities of formaldehyde may be released, and adequate ventilation is required.

11 Toxicological Information	
11.1. Information On Hazard Classes As Defined In Regulation (EC) No 1272/2008	
Acute Toxicity (Oral)	Not classified
Acute Toxicity (Dermal)	Not classified
Acute Toxicity (Inhalation)	Not classified
Diisononyl 1,2-cyclohexanedicarboxylate (166412-78-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
Carbonic acid, calcium salt (1:1) (471-34-1)	
LD50 oral rat	6450 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))

Carbonic acid, calcium salt (1:1) (471-34-1)	
LC50 Inhalation - Rat	> 3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 3 mg/l Source: ECHA
Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Irritation	Causes serious eye damage.
Respiratory Or Skin Sensitisation	Not classified.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
STOT-Single Exposure	Not classified.
STOT-Repeated Exposure	Not classified.
Aspiration Hazard	Not classified.
11.2. Information On Other Hazards	
Endocrine Disrupting Properties: adverse health effects caused by endocrine disrupting properties	The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %
Other Information	No additional information available

12 Ecological Information	
12.1. Toxicity	
Ecology - General	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute)	Not classified
Hazardous to the aquatic environment, long–term (chronic)	Not classified
Carbonic acid, calcium salt (1:1) (471-34-1)	
LC50 - Fish [1]	> 56000 mg/l Source: ECOTOX
EC50 96h - Algae [1]	22000 mg/l Source: Ecological Structure Activity Relationships
12.2. Persistence and degradability	No additional information available
12.3. Bioaccumulative potential	
Carbonic acid, calcium salt (1:1) (471-34-1)	
BCF - Fish [1]	(no bioaccumulation)
12.4. Mobility in soil	
Carbonic acid, calcium salt (1:1) (471-34-1)	
Mobility in soil	4.971 Source: Quantitative Structure Activity Relation

12.5. Results of PBT and vPvB assessment	
MS POLYMER SEALANT	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
12.6. Endocrine Disrupting Properties	
Adverse Effects On The Environment Caused By Endocrine Disrupting Properties	The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.
12.7. Other Adverse Effects	No additional information available

13 Disposal considerations

13.1. Waste Treatment Methods	
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Contaminated packaging	Dispose of contents/container in accordance with licensed collector's sorting instructions.

14 Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special Precautions For User	
Overland Transport	Not regulated
Transport By Sea	Not regulated
Air Transport	Not regulated
Inland Waterway Transport	Not regulated
Rail Transport	Not regulated

14.7. Maritime Transport In Bulk According To IMO instruments
Not applicable

15 Regulatory Information	
15.1. Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture	
EU-Regulations	
REACH Candidate List (SVHC)	Contains no substance(s) listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent)	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
POP Regulation (Persistent Organic Pollutants)	Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
Ozone Regulation (1005/2009)	Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)
Explosives Precursors Regulation (2019/1148)	Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Drug Precursors Regulation (273/2004)	Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)
15.2. Chemical safety assessment	No chemical safety assessment has been carried out

16 Other Information	
Abbreviations And Acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods

LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
Version	1.0
Date	23.03.2026
Data Sources	LOLI. ECHA (European Chemicals Agency)
Training Advice	Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other Information	No information available.

Full text of H- and EUH-statements	
H315	Causes skin irritation.
H318	Causes serious eye damage.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. This document is according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878.